

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER QUALITY
2012 DRAFT 303(d) LIST OF IMPAIRED WATERS
SUBMITTED TO U.S. ENVIRONMENTAL PROTECTION AGENCY
PURSUANT TO CLEAN WATER ACT SECTION 303(d)**

INTRODUCTION

The Indiana Department of Environmental Management's (IDEM) Office of Water Quality has updated its List of Impaired Waters. Under the Section 305(b) of the Federal Clean Water Act (CWA), each state is required to assess its waters for compliance with the state's water quality standards (WQS), which are developed to protect the beneficial uses for which waters of the state are designated (fishing, swimming, and drinking, etc.). As required by Section 303(d) of the CWA, the state is required to periodically prepare and make public a list of those waters not meeting WQS using information from the assessments conducted under CWA Section 305(b).

The list of impaired waters identifies the waterbody or waterbody reach that is impaired, the pollutant(s) not meeting WQS thus causing the impairment and a schedule for development of a Total Maximum Daily Load (TMDL). A TMDL evaluation is a process that quantifies the amount of a specific pollutant that a waterbody can assimilate and still meet water quality standards. What constitutes a pollutant is described in Section 502(6) of the CWA and includes materials such as sewage, chemical wastes, biological materials, and industrial, municipal, and agricultural waste. The definition also encompasses drinking water contaminants that are regulated under Section 1412 of the Safe Drinking Water Act.

TMDLs identify how much of the pollutant is coming from point sources and nonpoint sources and specify the amount of pollutant reduction necessary from each source in order to meet the applicable water quality criteria for that pollutant. TMDLs lay the groundwork for the development and implementation of a plan to reduce the amount of the pollutant coming from each source. The public is invited to participate in the all TMDLs IDEM develops and is encouraged to participate in their implementation.

PUBLIC COMMENT PERIOD

IDEM published its draft 2012 303(d) list on February 8, 2012 for a 90-day public comment period required by Indiana law IC 13-18-2-3. The draft 2012 list was published in the *Indiana Register* online at:

<http://www.in.gov/legislative/iac/irtoc.htm?id=1.8&hdate=20120208&ldate=20120208> and is also available on IDEM's website at: <http://www.in.gov/idem/nps/2647.htm>.

The public is invited to review the list and offer comments and suggestions as to the specific waterbodies included. Any person having water quality data to support or refute the listing of a specific waterbody or to add a waterbody to the list will be able to provide that information to IDEM until May 8, 2012. Comments may be submitted in one of the following ways:

- (1) By mail or common carrier to the following address:
2012 Draft 303(d) List of Impaired Waters
Betsy Rouse, Administrative Assistant
Rules Development Branch
Office of (Water Quality/Legal Counsel)
Indiana Department of Environmental Management
100 North Senate Avenue
MC 65-45
Indianapolis, IN 46204-2251
- (2) By facsimile to (317) 233-5970. Please confirm the timely receipt of your faxed comments by calling the Rules Development Branch at (317) 233-8903
- (3) By electronic mail to brouse@idem.in.gov. To confirm timely delivery of your comments, please request a document receipt when you send the electronic mail.
PLEASE NOTE: Electronic mail comments will NOT be considered part of the official written comment period unless they are sent to brouse@idem.in.gov.
- (4) Hand delivered to the receptionist on duty at the thirteenth floor reception desk, Office of Legal Counsel, Indiana Government Center North, 100 North Senate Avenue, Indianapolis, Indiana.

STATUS OF U.S. EPA APPROVAL OF IDEMS 2010 303(D) LIST AND IMPLICATIONS FOR THE 2012 303(D) LIST

IDEM is required to submit its 2012 303(d) List of Impaired Waters to the United States Environmental Protection Agency (U.S. EPA) by April 1, 2012. Based on the May 8, 2012 end date for the public comment period, it is likely that IDEM will identify additional changes that need to be made to the 303(d) list included with this submission. It is also possible that, in addition to public comments received, U.S. EPA will have comments that could result in changes to the 2012 303(d) list included with this submission.

As noted in the Notice of Comment for the draft 2012 list, IDEM is still awaiting approval of the 303(d) list submitted to U.S. EPA for the 2010 cycle. This delay is due to issues raised by U.S. EPA regarding changes IDEM made to its 303(d) list in response to public comments received prior to IDEM's submission of the 2010 303(d) list to U.S. EPA. The issues raised by U.S. EPA, which are discussed in the attached Notice of Comment Period, were formally addressed to IDEM after submission of its 2010 303(d) list for approval and have yet to be resolved.

This situation has illustrated that any issues U.S. EPA may have regarding revisions to a state's assessment methodologies in response to comments received from the public and corresponding changes to its 303(d) list can be complex, and their resolution can impose significant delays in approval.

Given the potential for such delays in the future, IDEM has determined that reviewing all public comments and those provided by U.S. EPA together will allow IDEM to more effectively evaluate all the available information and will allow IDEM to work through any issues U.S. EPA might have regarding the 303(d) list in order to receive a more timely approval.

IDEM'S 2012 303(D) LIST SUBMISSION TO U.S. EPA

Based on the currently unresolved issues with IDEM's 2010 303(d) list and the likelihood that additional changes to the 2012 303(d) list will be needed in response to public and U.S. EPA

comments received after April 1, 2012, IDEM must necessarily consider the 2012 303(d) list included with this submission as a draft and subject to change until U.S. EPA approval is received. In keeping with U.S. EPA guidance (U.S. EPA, 2005), after the public comment period ends, IDEM will provide U.S. EPA full text copies of all comments received along with summarized comments and IDEM's responses, and any additional changes to the draft 2012 303(d) list needed as a result of information provided by the public. In the meantime, this submission fulfills all the requirements set forth in 40 CFR Ch. 1 (7-1-11 Edition) Part 130.7 for states' CWA Section 303(d) submissions to U.S. EPA.

The Notice of Public Comment Period, which is included in Attachment 1 to Appendix H of IDEM's 2012 Integrated Report, contains most of the information required by 40 CFR Ch. 1 (7-1-11 Edition) Part 130.7, including:

- A description of the methodology used to develop the list of impaired waters;
- A discussion of the data and information used to develop the list and a summary of IDEM's evaluation of data and information provided by external sources, and;
- The draft 2012 303(d) list of impaired waters published for public comment period on February 8, 2012 (IR Appendix H, Attachment 1) and the most current draft 2012 303(d) list submitted with IDEM's Integrated Report on April 1, 2012 (IR Appendix H, Attachment 5).

This submission includes the remaining additional information required by 40 CFR Ch. 1 (7-1-11 Edition) Part 130.7, which has been developed since the draft 2012 303(d) list was published for public comment, including:

- IDEM's long term TMDL schedule, which includes a priority ranking for TMDL development and the Agency's short term schedule of TMDLs to be completed for the 2012 cycle (IR Appendix H, Attachment 2), and;
- Additional changes proposed to the draft 2012 303(d) list based on information received since its publication on February 8, 2012, which are described herein.

Although not specifically required by 40 CFR Ch. 1 (7-1-11 Edition) Part 130, IDEM has also included the following additional materials to provide the most comprehensive picture possible regarding impairment of Indiana waters and to facilitate tracking of all known impairments:

- A discussion of those waterbody impairments placed in Category 4 of Indiana's Consolidated List (IR Appendix H, Attachment 3), and;
- IDEM's segmentation tracking table, which provides the necessary information to track impairments to streams reaches that have been resegmented to facilitate more accurate assessments (IR Appendix H, Attachment 4).

IDEM'S TMDL DEVELOPMENT SCHEDULE

The 303(d) list of Impaired Waters identifies waterbodies in Indiana that require a TMDL. The CWA does not clearly define the timeline for TMDL development. However, U.S. EPA's most recent guidance (U.S. EPA, 2005) recommends that states develop TMDLs on schedules of eight (8) to thirteen (13) years from the date of original listing. A schedule for TMDL development over the next two years is provided in IR Appendix H, Attachment 2.

IDEM's long term TMDL development schedule and priority ranking is also provided in Attachment 2. Although it is a required component of IDEM's 303(d) list submission, U.S. EPA does not have approval authority over IDEM's short or long term TMDL development schedules. Rather, IDEM works with U.S. EPA to develop its two-year schedule and uses the long term schedule to inform its water quality management and planning activities and to help U.S. EPA better understand IDEM's priorities in this regard.

ADDITIONAL CHANGES TO THE DRAFT 2012 303(D) LIST BASED ON INFORMATION RECEIVED SINCE ITS PUBLICATION ON FEBRUARY 8, 2012

Impairments Removed from Category 5 Based on Resolution of Segmentation Tracking Issues Associated with the West Fork Whitewater River TMDL

For the 2010 cycle, IDEM added twenty three (23) impairments back to Category 5 pending resolution of segmentation tracking issues resulting from an interim indexing effort that was not finalized until after the 2010 303(d) list was submitted to U.S. EPA. These impairments were associated with the West Fork Whitewater River watershed TMDL, which was approved by U.S. EPA on April 2, 2009. The Whitewater River watershed is located in the Great Miami River Basin. With the indexing for this basin now complete, nineteen (19) of the reaches that were added back to Category 5 for the Whitewater River TMDL may now be moved to Category 4A (Table 1). The remaining four (4) impairments do not appear on the map submitted with the TMDL and will stay in Category 5 until they can be reevaluated to determine if impairment exists (Table 2).

Table 1: Impairments moved from Category 5 to Category 4A based on resolution of segmentation tracking issues associated with the West Fork Whitewater River TMDL.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT MIAMI	050800030103	RANDOLPH	ING0313_06	NETTLE CREEK	E. COLI
GREAT MIAMI	050800030104	RANDOLPH	ING0314_04	WHITEWATER RIVER	E. COLI
GREAT MIAMI	050800030106	FAYETTE	ING0316_T1006	ROY RUN	E. COLI
GREAT MIAMI	050800030108	WAYNE	ING0318_01	WHITEWATER RIVER	E. COLI
GREAT MIAMI	050800030108	WAYNE	ING0318_02	WHITEWATER RIVER	E. COLI
GREAT MIAMI	050800030108	WAYNE	ING0318_T1002	NETTLE CREEK	E. COLI
GREAT MIAMI	050800030108	HENRY	ING0318_T1003	BEAR CREEK	E. COLI
GREAT MIAMI	050800030108	WAYNE	ING0318_T1007	CRITZ CREEK	E. COLI
GREAT MIAMI	050800030202	RANDOLPH	ING0322_01	GREENS FORK	E. COLI
GREAT MIAMI	050800030202	RANDOLPH	ING0322_T1012	BLOOMINGPORT CREEK	E. COLI
GREAT MIAMI	050800030203	WAYNE	ING0323_01	GREENS FORK	E. COLI
GREAT MIAMI	050800030204	WAYNE	ING0324_01	GREENS FORK	E. COLI
GREAT MIAMI	050800030302	WAYNE	ING0332_02	NOLANDS FORK	E. COLI
GREAT MIAMI	050800030303	WAYNE	ING0333_01	NOLANDS FORK	E. COLI
GREAT MIAMI	050800030304	WAYNE	ING0334_01	NOLANDS FORK	E. COLI
GREAT MIAMI	050800030305	FAYETTE	ING0335_01	NOLANDS FORK	E. COLI
GREAT MIAMI	050800030403	FAYETTE	ING0343_01	WILLIAMS CREEK	E. COLI
GREAT MIAMI	050800030403	FAYETTE	ING0343_02	LITTLE WILLIAMS CREEK	E. COLI
GREAT MIAMI	050800030408	FAYETTE	ING0348_T1003	BEAR CREEK	E. COLI

Table 2: Impairments associated with West Fork Whitewater River TMDL to remain in Category 5 pending verification.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT MIAMI	050800030101	WAYNE	ING0311_01	MORGAN CREEK	E. COLI
GREAT MIAMI	050800030101	WAYNE	ING0311_T1002	WEST BROOK	E. COLI
GREAT MIAMI	050800030102	RANDOLPH	ING0312_01	MARTINDALE CREEK	E. COLI
GREAT MIAMI	050800030107	WAYNE	ING0317_01	MARTINDALE CREEK	E. COLI

Impairments Removed from Category 5 Based on IDEM's Nonpoint Source Program Successes

IDEM has identified a total of eight (8) previously identified impairments that are now meeting the applicable water quality criteria (Table 3). These reaches are included in IDEM's 2012 NPS Success Story, which was completed and submitted to U.S. EPA after the initial draft 303(d) list was published on February 8, 2012 and which is discussed in more detail in IDEM's 2012 Integrated Report. The reaches originally listed in 2002 were resegmented in 2010 and their impairments were applied to the new assessment units resulting from resegmentation pending reassessment. More recent data collected in this watershed indicate that the biological communities have improved significantly and may now be delisted. Table 3 shows the impairments that were originally listed in 2002 for impaired biotic communities and how they were applied to new reaches resulting from resegmentation in 2010.

Table 3: Previously identified impairments identified in IDEM's NPS Success Story as now meeting applicable water quality criteria.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ORIGINAL ASSESSMENT UNIT ID	CAUSE OF IMPAIRMENT	2012 ASSESSMENT UNIT ID	2012 ASSESSMENT UNIT NAME
UPPER ILLINOIS	071200011308	LAKE	INK01E1_00	IMPAIRED BIOTIC COMMUNITIES	INK01D8_01	WEST CREEK
UPPER ILLINOIS	071200011308	LAKE	NA*	IMPAIRED BIOTIC COMMUNITIES	INK01D8_01A	WEST CREEK – UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011308	LAKE	NA*	IMPAIRED BIOTIC COMMUNITIES	INK01D8_01B	WEST CREEK – UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011308	LAKE	INK01E1_T1108	IMPAIRED BIOTIC COMMUNITIES	INK01D8_T1006	BUL RUN
UPPER ILLINOIS	071200011308	LAKE	INK01E1_00	IMPAIRED BIOTIC COMMUNITIES	INK01D8_T1007	WEST CREEK – UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011308	LAKE	INK01E1_00	IMPAIRED BIOTIC COMMUNITIES	INK01D8_T1008	WEST CREEK – UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011308	LAKE	INK01E1_00	IMPAIRED BIOTIC COMMUNITIES	INK01D8_T1009	WEST CREEK – UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011308	LAKE	INK01E1_00	IMPAIRED BIOTIC COMMUNITIES	INK01D8_T1010	WEST CREEK – UNNAMED TRIBUTARY

*These are new reaches indexed at high resolution in 2010. The previously identified impairment in this watershed was applied to these reaches pending reassessment, which has since been completed.

Changes Made Based on IDEM Review of TMDLs Still Pending Approval

IDEM continues to make significant progress in TMDL development. In the draft 2012 303(d) list published on February 8, 2012, IDEM proposed to add several impairments to Category 4A based on the development of TMDLs including those for the Busseron Creek and Pigeon River watersheds. Although these TMDLs are completed, they are at various stages in the U.S. EPA approval process. Based on U.S. EPA policy, impairments must remain in Category 5 until the TMDLs developed for them are approved.

In reviewing the draft list published on February 8, 2012, IDEM found that none of the thirty nine (39) impairments associated with the Busseron watershed TMDL that were originally proposed for Category 4A need to be added back to Category 5 (Table 4). Most were proposed for Category 4A under retired AUIDs and had already been added to Category 5 under their new AUIDs while others were found to have been listed in error. Given this, IDEM has added only the ninety (90) impairments associated with the Pigeon River TMDL back to Category 5 (Table 5).

IDEM also reviewed other Busseron watershed impairments identified on the draft list published on February 8, 2012 to properly account for all impairments addressed by the TMDL. As a result of this review, IDEM identified twenty (20) impairments that were previously placed in Category 5 in error (Table 6). These impairments have been removed from the current draft 303(d) list. IDEM also identified one (1) additional impairment that should have been added to Category 5 (Table 7).

With the combined changes associated with the Busseron Creek and Pigeon River watershed TMDLs, IDEM has added a total of ninety one (91) impairments to Category 5 and has removed a total of twenty (20).

Table 4: Busseron watershed impairments proposed for Category 4A in the draft 303(d) list published on February 8, 2012.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	EXPLANATION
LOWER WABASH	51201111501	SULLIVAN	INB11F1_01	BUSSEYON CREEK	IMPAIRED BIOTIC COMMUNITIES	Impairment already appears in Category 5 under the correct AUID
LOWER WABASH	51201111503	CLAY	INB11F3_01B	INLET TO SHAKAMAK LAKE	IMPAIRED BIOTIC COMMUNITIES	IDEM has no data to support this assessment.
LOWER WABASH	51201111503	CLAY	INB11F3_01C	INLET TO SHAKAMAK LAKE	IMPAIRED BIOTIC COMMUNITIES	IDEM has no data to support this assessment.
LOWER WABASH	51201111504	SULLIVAN	INB11F4_T1003A	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	Impairment already appears in Category 5 under the correct AUID
LOWER WABASH	51201111504	SULLIVAN	INB11F4_T1003A	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS	Impairment already appears in Category 5 under the correct AUID
LOWER WABASH	51201111504	SULLIVAN	INB11F4_T1003B	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	Impairment already appears in Category 5 under the correct AUID
LOWER WABASH	51201111504	SULLIVAN	INB11F4_T1003B	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS	Impairment already appears in Category 5 under the correct AUID
LOWER WABASH	51201111505	SULLIVAN	INB11G4_01	BUSSEYON CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F5_01

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	EXPLANATION
LOWER WABASH	51201111505	SULLIVAN	INB11G4_02	BUSSERON CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F5_01
LOWER WABASH	51201111505	SULLIVAN	INB11G4_T1003	SULPHUR CREEK (HEADWATER)	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID INB11F5_T1003
LOWER WABASH	51201111505	SULLIVAN	INB11G4_T1003	SULPHUR CREEK (HEADWATER)	NUTRIENTS	This impairment appears in Category 5 under its new AUID: INB11F5_T1003
LOWER WABASH	51201111505	SULLIVAN	INB11G4_T1003	SULPHUR CREEK (HEADWATER)	PH	This impairment appears in Category 5 under its new AUID: INB11F5_T1003
LOWER WABASH	51201111505	SULLIVAN	INB11G4_T1004	SULPHUR CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F5_T1005
LOWER WABASH	51201111505	SULLIVAN	INB11G4_T1004	SULPHUR CREEK	NUTRIENTS	This impairment appears in Category 5 under its new AUID: INB11F5_T1005
LOWER WABASH	51201111505	SULLIVAN	INB11G4_T1004	SULPHUR CREEK	PH	This impairment appears in Category 5 under its new AUID: INB11F5_T1005
LOWER WABASH	51201111503	SULLIVAN	INB11G5_02	BIG BRANCH	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F3_01
LOWER WABASH	51201111503	SULLIVAN	INB11G5_T1001	BIG BRANCH UNNAMED TRIBUTARY (POSSUM HOLLOW)	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F5_T1003
LOWER WABASH	51201111506	SULLIVAN	INB11G6_01	BIG BRANCH	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F4_01
LOWER WABASH	51201111504	SULLIVAN	INB11G6_03	MUD CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F4_T1001
LOWER WABASH	51201111504	SULLIVAN	INB11G6_03	MUD CREEK	NUTRIENTS	This impairment appears in Category 5 under its new AUID: INB11F4_T1001
LOWER WABASH	51201111504	GREENE	INB11G6_03A	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F4_T1001
LOWER WABASH	51201111504	GREENE	INB11G6_03A	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS	This impairment appears in Category 5 under its new AUID: INB11F4_T1001
LOWER WABASH	51201111504	GREENE	INB11G6_03C	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F4_T1001

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	EXPLANATION
LOWER WABASH	51201111504	GREENE	INB11G6_03C	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS	This impairment appears in Category 5 under its new AUID: INB11F4_T1001
LOWER WABASH	51201111504	SULLIVAN	INB11G6_04	MUD CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F4_T1003
LOWER WABASH	51201111504	SULLIVAN	INB11G6_04	MUD CREEK	NUTRIENTS	This impairment appears in Category 5 under its new AUID: INB11F4_T1003
LOWER WABASH	51201111506	SULLIVAN	INB11G7_01	BUSSERON CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F6_01
LOWER WABASH	51201111506	SULLIVAN	INB11G7_T1004	KETTLE CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F6_T1001
LOWER WABASH	51201111508	SULLIVAN	INB11G8_01	BUSSERON CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F8_01
LOWER WABASH	51201111507	SULLIVAN	INB11G9_01	BUTTERMILK CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F7_01
LOWER WABASH	51201111509	SULLIVAN	INB11GA_01	BUSSERON CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F9_01
LOWER WABASH	51201111509	SULLIVAN	INB11GA_02C	BUCK CREEK (DOWNSTREAM OF DUGGER, IN)	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F9_T1003
LOWER WABASH	51201111509	SULLIVAN	INB11GA_02C	BUCK CREEK (DOWNSTREAM OF DUGGER, IN)	NUTRIENTS	This impairment appears in Category 5 under its new AUID: INB11F9_T1003
LOWER WABASH	51201111509	SULLIVAN	INB11GA_03	ROBBINS BRANCH	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F9_T1001
LOWER WABASH	51201111509	SULLIVAN	INB11GA_03	ROBBINS BRANCH	NUTRIENTS	This impairment appears in Category 5 under its new AUID: INB11F9_T1001
LOWER WABASH	51201111509	SULLIVAN	INB11GA_T1001	BUCK CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11F9_T1004
LOWER WABASH	51201111509	SULLIVAN	INB11GA_T1001	BUCK CREEK - UNNAMED TRIBUTARY	NUTRIENTS	This impairment appears in Category 5 under its new AUID: INB11F9_T1004
LOWER WABASH	51201111512	SULLIVAN	INB11GB_01	BUSSERON CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11FC_01

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	EXPLANATION
LOWER WABASH	51201111512	SULLIVAN	INB11GB_02	BUSSEY CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment appears in Category 5 under its new AUID: INB11FC_01

Table 5: Impairments added back to Category 5 of the draft 2012 303(d) list pending approval of the Pigeon River TMDL.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT LAKES	40500011001	STEUBEN	INJ01A1_01	PIGEON CREEK	E. COLI
GREAT LAKES	40500011001	STEUBEN	INJ01A1_T1002	METZ DITCH	E. COLI
GREAT LAKES	40500011001	STEUBEN	INJ01A1_T1003	COLE DITCH	E. COLI
GREAT LAKES	40500011002	STEUBEN	INJ01A2_T1001	JACK DITCH	E. COLI
GREAT LAKES	40500011002	STEUBEN	INJ01A2_T1002	JOHNSON DITCH	E. COLI
GREAT LAKES	40500011002	STEUBEN	INJ01A2_T1003	PIGEON CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40500011003	STEUBEN	INJ01A3_T1002	PIGEON CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40500011003	STEUBEN	INJ01A3_T1002	PIGEON CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011003	STEUBEN	INJ01A3_T1003	PIGEON CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40500011003	STEUBEN	INJ01A3_T1003	PIGEON CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011003	STEUBEN	INJ01A3_T1004	JOHNSON DITCH	E. COLI
GREAT LAKES	40500011003	STEUBEN	INJ01A3_T1004	JOHNSON DITCH	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011003	STEUBEN	INJ01A3_T1005	JOHNSON DITCH - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40500011003	STEUBEN	INJ01A3_T1005	JOHNSON DITCH - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011004	STEUBEN	INJ01A4_01	SMATHERS DITCH	DISSOLVED OXYGEN
GREAT LAKES	40500011004	STEUBEN	INJ01A4_01	SMATHERS DITCH	E. COLI
GREAT LAKES	40500011004	STEUBEN	INJ01A4_01	SMATHERS DITCH	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011004	STEUBEN	INJ01A4_02	TURKEY CREEK	DISSOLVED OXYGEN
GREAT LAKES	40500011004	STEUBEN	INJ01A4_02	TURKEY CREEK	E. COLI
GREAT LAKES	40500011004	STEUBEN	INJ01A4_02	TURKEY CREEK	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1001	CONRAD DITCH	DISSOLVED OXYGEN
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1001	CONRAD DITCH	E. COLI
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1001	CONRAD DITCH	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1002	INLET TO LITTLE TURKEY LAKE	DISSOLVED OXYGEN

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1002	INLET TO LITTLE TURKEY LAKE	E. COLI
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1002	INLET TO LITTLE TURKEY LAKE	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1003	TURKEY CREEK - UNNAMED TRIBUTARY	DISSOLVED OXYGEN
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1003	TURKEY CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1003	TURKEY CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1005	DEETZ DITCH	DISSOLVED OXYGEN
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1005	DEETZ DITCH	E. COLI
GREAT LAKES	40500011004	STEUBEN	INJ01A4_T1005	DEETZ DITCH	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	040500011005	STEUBEN	INJ01A5_01	TURKEY CREEK	E. COLI
GREAT LAKES	40500011005	STEUBEN	INJ01A5_T1001	MUD CREEK	E. COLI
GREAT LAKES	40500011005	STEUBEN	INJ01A5_T1002	MUD CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40500011007	STEUBEN	INJ01A7_T1001	INLET TO OTTER LAKE	E. COLI
GREAT LAKES	40500011007	STEUBEN	INJ01A7_T1001	INLET TO OTTER LAKE	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011008	LAGRANGE	INJ01A8_T1002	INLET TO MUD LAKE	E. COLI
GREAT LAKES	40500011008	LAGRANGE	INJ01A8_T1002	INLET TO MUD LAKE	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011008	LAGRANGE	INJ01A8_T1008	INLET TO LITTLE TURKEY LAKE	E. COLI
GREAT LAKES	40500011009	LAGRANGE	INJ01A9_T1001	PIGEON CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40500011009	LAGRANGE	INJ01A9_T1001A	PIGEON CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40500011010	LAGRANGE	INJ01AA_02	TURKEY CREEK	E. COLI
GREAT LAKES	40500011010	LAGRANGE	INJ01AA_03	TURKEY CREEK	E. COLI
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_01	FLY CREEK, EAST	DISSOLVED OXYGEN
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_01	FLY CREEK, EAST	E. COLI
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_01	FLY CREEK, EAST	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_02	FLY CREEK, EAST	DISSOLVED OXYGEN
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_02	FLY CREEK, EAST	E. COLI
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_02	FLY CREEK, EAST	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1001	ROYER LAKE INLET	DISSOLVED OXYGEN
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1001	ROYER LAKE INLET	E. COLI

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1001	ROYER LAKE INLET	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1002	ROYER LAKE INLET	DISSOLVED OXYGEN
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1002	ROYER LAKE INLET	E. COLI
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1002	ROYER LAKE INLET	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1003	FISH LAKE INLET	DISSOLVED OXYGEN
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1003	FISH LAKE INLET	E. COLI
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1003	FISH LAKE INLET	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1004	STONER DITCH	DISSOLVED OXYGEN
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1004	STONER DITCH	E. COLI
GREAT LAKES	40500011101	LAGRANGE	INJ01B1_T1004	STONER DITCH	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011102	LAGRANGE	INJ01B2_01	FLY CREEK	DISSOLVED OXYGEN
GREAT LAKES	40500011103	LAGRANGE	INJ01B3_01	PIGEON RIVER	E. COLI
GREAT LAKES	40500011103	LAGRANGE	INJ01B3_01	PIGEON RIVER	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011103	LAGRANGE	INJ01B3_03	PIGEON RIVER	E. COLI
GREAT LAKES	40500011103	LAGRANGE	INJ01B3_03	PIGEON RIVER	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011103	LAGRANGE	INJ01B3_T1001	CLINE LAKE INLET	E. COLI
GREAT LAKES	40500011103	LAGRANGE	INJ01B3_T1002	PIGEON RIVER - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	040500011103	STEUBEN	INJ01B3_T1032	PIGEON CREEK	E. COLI
GREAT LAKES	040500011103	STEUBEN	INJ01B3_T1033	MUD CREEK	CHLORIDE
GREAT LAKES	040500011104	STEUBEN	INJ01B4_T1297	PIGEON CREEK	E. COLI
GREAT LAKES	40500011105	LAGRANGE	INJ01B5_01	PAGE DITCH	E. COLI
GREAT LAKES	40500011105	LAGRANGE	INJ01B5_01	PAGE DITCH	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011105	LAGRANGE	INJ01B5_T1001	COTTON LAKE DITCH	E. COLI
GREAT LAKES	40500011105	LAGRANGE	INJ01B5_T1001	COTTON LAKE DITCH	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011105	LAGRANGE	INJ01B5_T1002	PAGE DITCH - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40500011105	LAGRANGE	INJ01B5_T1002	PAGE DITCH - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011105	LAGRANGE	INJ01B5_T1003	TRUSDALE DITCH	E. COLI
GREAT LAKES	40500011105	LAGRANGE	INJ01B5_T1003	TRUSDALE DITCH	IMPAIRED BIOTIC COMMUNITIES

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT LAKES	40500011107	LAGRANGE	INJ01B7_01	PIGEON RIVER	E. COLI
GREAT LAKES	40500011107	LAGRANGE	INJ01B7_01	PIGEON RIVER	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011107	LAGRANGE	INJ01B7_T1001	FETCH DITCH	E. COLI
GREAT LAKES	40500011107	LAGRANGE	INJ01B7_T1001	FETCH DITCH	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011107	ELKHART	INJ01B7_T1001A	FETCH DITCH - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40500011107	ELKHART	INJ01B7_T1001A	FETCH DITCH - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40500011107	LAGRANGE	INJ01B7_T1001B	FETCH DITCH	E. COLI
GREAT LAKES	40500011107	LAGRANGE	INJ01B7_T1001B	FETCH DITCH	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	040500011202	LAGRANGE	INJ01C2_00	FLY CREEK-HEADWATERS (LAGRANGE)	E. COLI
GREAT LAKES	040500011205	LAGRANGE	INJ01C5_01	PIGEON RIVER	E. COLI

Table 6: Impairments removed from Category 5 based on IDEM's review of the Busseron Creek watershed TMDL.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	EXPLANATION
LOWER WABASH	51201111505	SULLIVAN	INB11F5_T1003	BUSSEYON CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error. IDEM has no data to support this assessment
LOWER WABASH	51201111507	SULLIVAN	INB11F7_01B	BUTTERMILK CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error. IDEM has no data to support this assessment
LOWER WABASH	51201111509	SULLIVAN	INB11F9_T1002	BUCK CREEK	NUTRIENTS	This impairment listed in error. Recent data indicates FS for nutrients
LOWER WABASH	51201111509	SULLIVAN	INB11F9_T1005	BUCK CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error. IDEM has no data to support this assessment
LOWER WABASH	51201111509	SULLIVAN	INB11F9_T1005	BUCK CREEK - UNNAMED TRIBUTARY	NUTRIENTS	This impairment listed in error. IDEM has no data to support this assessment
LOWER WABASH	51201111501	VIGO	INB11G1_02	BUSSEYON CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error under its retired AUID; Added back under its new AUID: INB11F1_01
UPPER WABASH	51201111501	SULLIVAN	INB11G1_03	BUSSEYON CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error under its retired AUID; Added back under its new AUID: INB11F1_01
LOWER WABASH	51201111501	SULLIVAN	INB11G1_04	BUSSEYON CREEK	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error under its retired AUID; Added back under its new AUID: INB11F1_01

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	EXPLANATION
LOWER WABASH	51201111505	SULLIVAN	INB11G5_03	BIG BRANCH	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error under its retired AUID; Added back under its new AUID: INB11F3_01
LOWER WABASH	51201111503	GREENE	INB11G5_T1001C	BIG BRANCH UNNAMED TRIBUTARY (POSSUM HOLLOW)	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error under its retired AUID; Added back under its new AUID: INB11F5_T1003
LOWER WABASH	51201111504	SULLIVAN	INB11G6_02	BIG BRANCH	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error under its retired AUID; Added back under its new AUID: INB11F4_01
LOWER WABASH	51201111504	GREENE	INB11G6_03B	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error under its retired AUID; Added back under its new AUID: INB11F4_T1001
LOWER WABASH	51201111504	GREENE	INB11G6_03B	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS	This impairment listed in error under its retired AUID; Added back under its new AUID: INB11F4_T1001
LOWER WABASH	51201111504	SULLIVAN	INB11G6_04A	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error; IDEM has no data to support assessment of new AUID: INB11F4_T1003A
LOWER WABASH	51201111504	SULLIVAN	INB11G6_04A	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS	This impairment listed in error; IDEM has no data to support assessment of new AUID: INB11F4_T1003A
LOWER WABASH	51201111504	SULLIVAN	INB11G6_04B	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error; IDEM has no data to support assessment of new AUID: INB11F4_T1003B
LOWER WABASH	51201111504	SULLIVAN	INB11G6_04B	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS	This impairment listed in error; IDEM has no data to support assessment of new AUID: INB11F4_T1003B
LOWER WABASH	51201111504	SULLIVAN	INB11G6_05	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	This impairment listed in error under its retired AUID; Added back under its new AUID: INB11F4_T1003
LOWER WABASH	51201111504	SULLIVAN	INB11G6_05	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS	This impairment listed in error under its retired AUID; Added back under its new AUID: INB11F4_T1003
LOWER WABASH	51201111509	SULLIVAN	INB11GA_02B	BUCK CREEK (SULLIVAN, IN)	NUTRIENTS	This impairment listed in error; Recent data indicates FS for nutrients

Table 7: Impairments added back to Category 5 of the draft 2012 303(d) list pending approval of the Busseron Creek TMDL.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
LOWER WABASH	051201111506	SULLIVAN	INB11F6_T1001	KETTLE CREEK	NUTRIENTS

SUMMARY OF CHANGES SINCE THE DRAFT 2012 303(D) LIST WAS PUBLISHED FOR PUBLIC COMMENT ON FEBRUARY 8, 2012

Table 8 summarizes the changes made to the draft 2012 303(d) list since its publication on February 8, 2012 in terms of the total number of individual assessment units. Table 9 provides a summary of the changes made to the draft 2012 303(d) list since its publication on February 8, 2012 in terms of individual assessment units, waterbody type and their associated stream miles and lake acres. Table 10 provides a summary of the changes made to the draft 2012 303(d) list since its publication in terms of the total number of impairments. Table 11 tracks changes made to the draft 2012 303(d) list since its publication on February 8, 2012 by impairment type. All of these tables provide summary values for the current draft 2012 303(d) list submitted with this report.

As a result of these changes, IDEM's current draft 2012 303(d) list now contains a total of three thousand four hundred forty eight (3,448) individual impairments compared to three thousand four hundred four (3,404) individual impairments on the initial draft that was published on February 8, 2012 (assessment units with multiple impairments are listed once for each impairment).

Attachment 5 includes all impairments currently identified in Categories 5A and 5B of the Consolidated List, which together comprise IDEM's most current draft 2012 303(d) List of Impaired Waters submitted to U.S. EPA with the Integrated Report on April 1, 2012.

Table 8: Additional changes made to IDEM's draft 2012 303(d) list since its initial publication on February 8, 2012 in terms of individual assessment units in terms of waterbody type and their associated stream miles or lake acres.

NATURE OF CHANGES TO 303(D) LIST	NUMBER OF STREAM ASSESSMENT UNITS	TOTAL STREAM MILES	NUMBER OF LAKE ASSESSMENT UNITS	TOTAL LAKE ACRES
Impairments Removed from Category 5 Based on Resolution of Segmentation Tracking Issues Associated with the West Fork Whitewater River TMDL	19	252	0	0
Impairments Removed from Category 5 Based on IDEM's Nonpoint Source Program Successes	8	33	0	0
Impairments Added Back to Category 5 Based on IDEM's review of TMDLs still pending approval	51	249	0	0
Impairments Removed from Category 5 Based on IDEM's review of TMDLs still pending approval	15	80	0	0

Table 9: Tracking of changes made to the draft 2012 303(d) list since its publication on February 8, 2012 and summary values for the draft list 2012 303(d) list submitted to U.S. EPA on April 1, 2012 in terms of individual assessment units, waterbody type including their associated stream miles and lake acres.

303(D) LIST	TOTAL NUMBER OF ASSESSMENT UNITS	NUMBER OF STREAM ASSESSMENT UNITS	TOTAL STREAM MILES	NUMBER OF LAKE ASSESSMENT UNITS	TOTAL LAKE ACRES
Draft 2012 303(d) List published on February 8, 2012	2,205	2,065	16,088	140	73,076*
Changes made to the Draft 2012 303(d) List since its publication	9	9	(116)	0	0
Draft 2012 303(d) List submitted to U.S. EPA on April 1, 2012	2,196	2,065	15,972	140	73,076*

*These totals do not include Lake Michigan (154,176 acres).

Table 10: Tracking of changes made to the draft 2012 303(d) list since its publication on February 8, 2012 and summary values for the draft list 2012 303(d) list submitted to U.S. EPA on April 1, 2012 in terms of the number of impairments.

TOTAL NUMBER OF IMPAIRMENTS ON THE DRAFT 303(D) LIST PUBLISHED ON FEBRUARY 8, 2012	3,404
Impairments Removed from Category 5 Based on Resolution of Segmentation Tracking Issues Associated with the West Fork Whitewater River TMDL	19
Impairments Removed from Category 5 Based on IDEM's Nonpoint Source Program Successes	8
Impairments Removed from Category 5 Based on IDEM's review of TMDLs still pending approval	20
DELISTINGS TOTAL	47
Impairments Added Back to Category 5 Based on IDEM's review of TMDLs still pending approval	91
ADDITIONS TOTAL	91
TOTAL NUMBER OF IMPAIRMENTS ON THE DRAFT 303(D) LIST SUBMITTED TO U.S. EPA ON APRIL 1, 2012	3,448

Table 11: Changes made to the draft 2012 303(d) list since its publication on February 8, 2012 and summary values for the draft list 2012 303(d) list submitted to U.S. EPA on April 1, 2012 by impairment type.

CAUSE OF IMPAIRMENT	NUMBER OF IMPAIRMENTS ON THE DRAFT 2012 303(D) LIST PUBLISHED ON FEBRUARY 8, 2012	NUMBER OF IMPAIRMENTS ADDED TO OR REMOVED FROM THE DRAFT 303(D) LIST SINCE ITS PUBLICATION	TOTAL NUMBER OF IMPAIRMENTS ON THE DRAFT 303(D) LIST SUBMITTED TO U.S. EPA ON APRIL 1, 2012
ALGAE	20		20
AMMONIA	10		10
CHLORIDE	17	1	18
FREE CYANIDE	30		30
DIOXIN (WATER)	69		69
DISSOLVED OXYGEN	169	13	182
E. COLI	1,136	29	1,165
IMPAIRED BIOTIC COMMUNITIES	615	7	622
NUTRIENTS	133	(6)	127
OIL AND GREASE	5		5
PESTICIDES	1		1
PH	22		22
PHOSPHORUS	50		50
SILTATION	3		3
SULFATE	1		1
TASTE AND ODOR	12		12
TEMPERATURE	0		0
PCBs (FISH TISSUE)	618		618
PCBs (WATER)	69		69
TOTAL MERCURY (FISH TISSUE)	348		348
TOTAL MERCURY (WATER)	66		66
TOTAL COPPER	2		2
TOTAL LEAD	4		4
TOTAL NICKEL	2		2
TOTAL ZINC	2		2
TOTAL	3,404	44	3,448

STATUS OF INDIANA'S CATEGORY 4 WATERBODY IMPAIRMENTS

In accordance with U.S. EPA guidance¹, Indiana's Category 4 waters are identified in Indiana's Consolidated List, which is included in Indiana's 2010 Integrated Monitoring and Assessment Report, Appendix F. Category 4 consists of impairments for which a Total Maximum Daily Load (TMDL) is not or no longer required. The subcategories of Indiana's Category 4 list are described below:

- Category 4A consists of impairments for which a TMDL has been approved by USEPA and is expected to result in attainment of all applicable WQS.
- Category 4B consists of impairments for which other pollution control requirements are expected to result in the attainment of the WQS in a reasonable period of time.
- Category 4C consists of impairments that are not caused by a pollutant and as such, do not require a TMDL.

Categories 4 and 5 of IDEM's Consolidated List together provide the most comprehensive assessment of impairment of Indiana waters to date. With each 303(d) listing cycle, U.S. EPA requests an update on the status of Indiana's Category 4 waters to facilitate tracking of all known impairments. These impairments and their current status are discussed in more detail in IR Appendix H, Attachment 3.

REFERENCES CITED

Code of Federal Regulations (CFR):

<http://www.gpo.gov/fdsys/browse/collectionCfr.action?collectionCode=CFR>

Indiana Code (IC): <http://www.in.gov/legislative/ic/code/>

U. S. Environmental Protection Agency. 2001. *Memorandum to Regions 1-10 Water Division Directors Regarding the 2002 Integrated Water Quality Monitoring and Assessment Report Guidance*. Washington, D.C.: U.S. Environmental Protection Agency.

U. S. Environmental Protection Agency. 2003. *Guidance for 2004 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act*. Washington, D.C.: U.S. Environmental Protection Agency.

U. S. Environmental Protection Agency. 2005. *Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act: Public Review Draft*. Washington, D.C.: U.S. Environmental Protection Agency.

¹ For the development of Indiana's Consolidated List, IDEM follows, to the degree possible, the 305(b) and 303(d) reporting methods outlined in the U.S. EPA's memorandum regarding the 2002 *Integrated Water Quality Monitoring and Assessment Report Guidance* (U.S. EPA, 2001), its *Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act* (U.S. EPA, 2005) and the additional guidance provided in the U.S. EPA memorandum *Information Concerning 2010 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions* (U.S. EPA, 2009).

- U. S. Environmental Protection Agency. 2006. *Memorandum to Regions 1-10 Water Division Directors Regarding Information Concerning 2008 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions*. Washington, D.C.: U.S. Environmental Protection Agency.
- U. S. Environmental Protection Agency. 2009. *Memorandum to Regions 1-10 Water Division Directors Regarding Information Concerning 2010 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions*. Washington, D.C.: U.S. Environmental Protection Agency.